

Sexually Transmitted Disease in Milwaukee County

**Wisconsin STD Surveillance Data
*Cases diagnosed in 2005***



Preface

Reportable STDs in the State of Wisconsin:

- Chlamydia: Chlamydia trachomatis
- Syphilis: Treponema pallidum
- Herpes: Primary genital infections with Herpes Simplex Virus (HSV) Type 1 and / or 2
- Gonorrhea: Neisseria gonorrhoea
- Chancroid: Haemophilus ducreyi
- PID: Pelvic Inflammatory Disease

In this analysis “reportable STDs” refer specifically to chlamydia, gonorrhea, syphilis and genital HSV infection.



Preface

STD Surveillance data must be interpreted with caution:

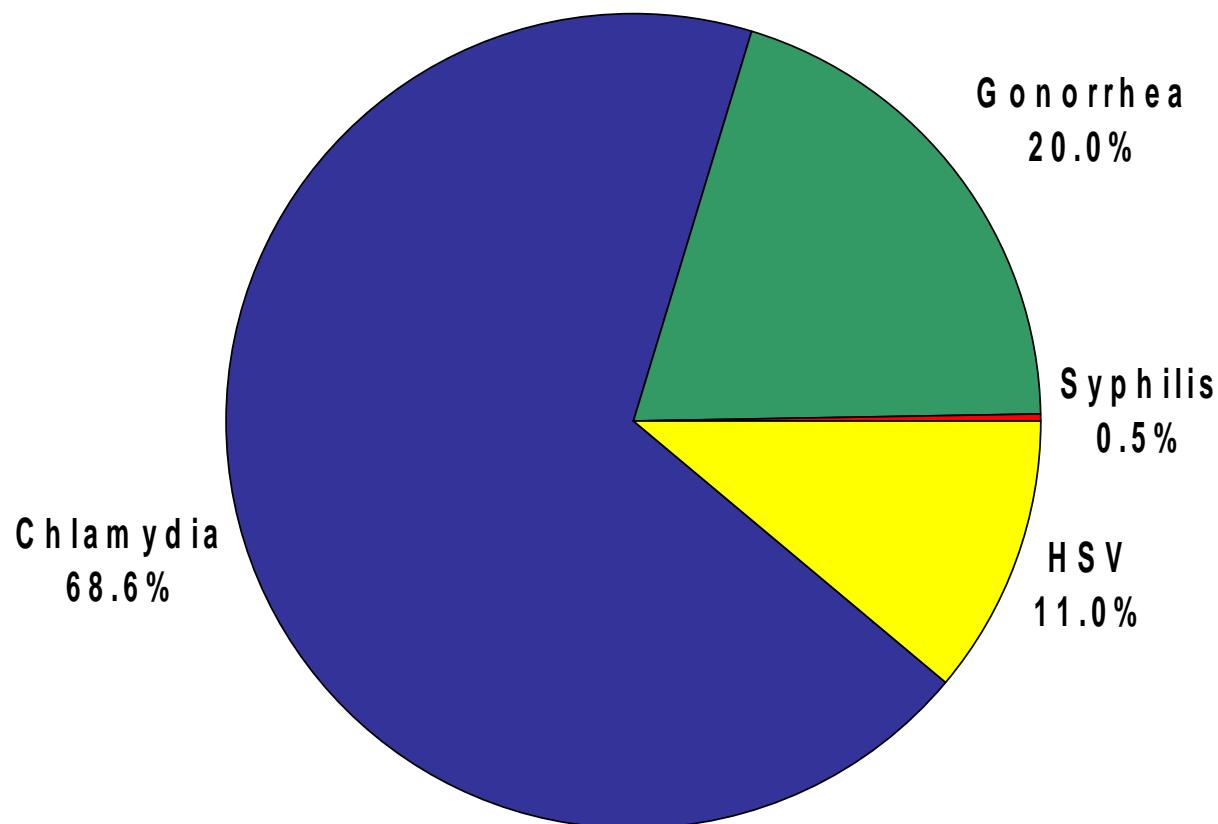
- Under-reporting
- Un-even reporting
- Incomplete data

This analysis examines several factors that influence STD rates:

- Sex
- Age
- Race
- Geography



Reported STD cases, by disease Wisconsin, 2005

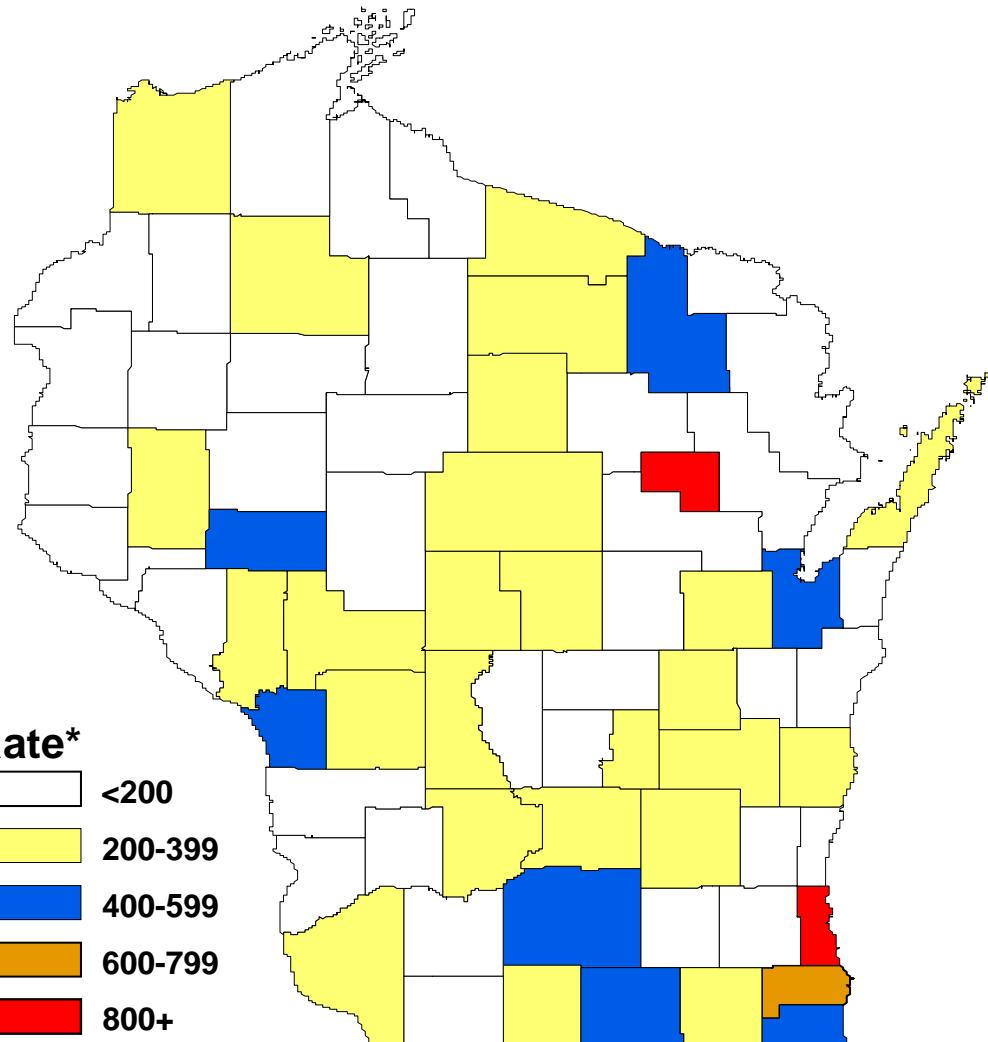


| Disease | Cases | Rate* |
|-----------|--------|-------|
| Chlamydia | 20,410 | 368 |
| Gonorrhea | 5,949 | 107 |
| Syphilis | 138 | 2 |
| HSV | 3,273 | 59 |
| All STDs | 29,770 | 537 |

* Cases per 100,000 population.



Reported STD case rates*, by county, reportable STDs**, Wisconsin, 2005



Counties with rates* >400

| <u>County</u> | <u>Cases</u> | <u>Percent</u> | <u>Rate</u> |
|-----------------------|---------------|----------------|-------------|
| Milwaukee | 14,979 | 50.4% | 1,602 |
| Menominee | 70 | 0.2% | 1,520 |
| Racine | 1,465 | 4.9% | 759 |
| Kenosha | 827 | 2.8% | 525 |
| Dane | 2,368 | 8.0% | 522 |
| Rock | 788 | 2.7% | 505 |
| Brown | 1,166 | 3.9% | 489 |
| La Crosse | 513 | 1.7% | 468 |
| Forest | 47 | 0.2% | 464 |
| <u>Eau Claire</u> | <u>442</u> | <u>1.5%</u> | <u>462</u> |
| <u>Subtotal</u> | <u>22,665</u> | <u>76.3%</u> | <u>963</u> |
| <u>Other counties</u> | <u>7,038</u> | <u>23.7%</u> | <u>221</u> |
| State total*** | 29,703 | 100.0% | 536 |

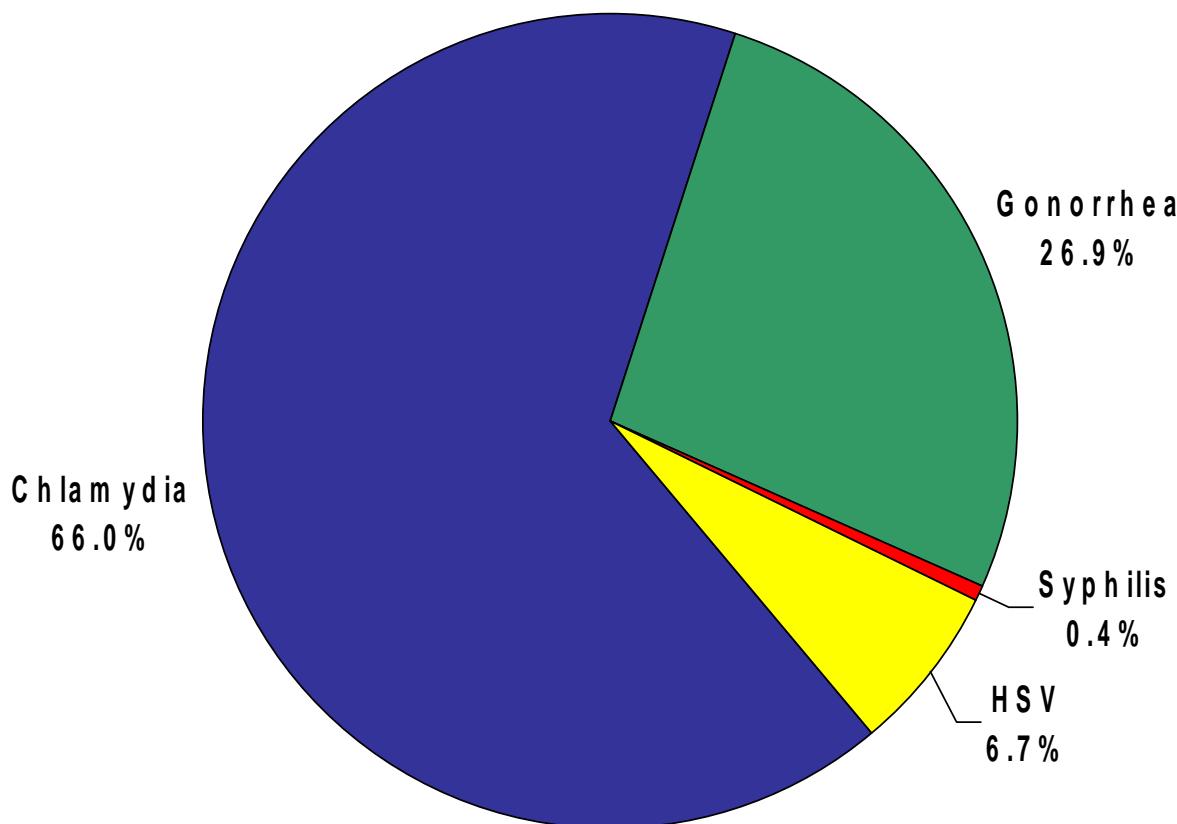
* Cases per 100,000 population.

** Chlamydia, gonorrhea, syphilis and genital HSV infection.

***Excludes 67 cases among out of state residents or without county specified.



Reported STD cases, Milwaukee County, 2005

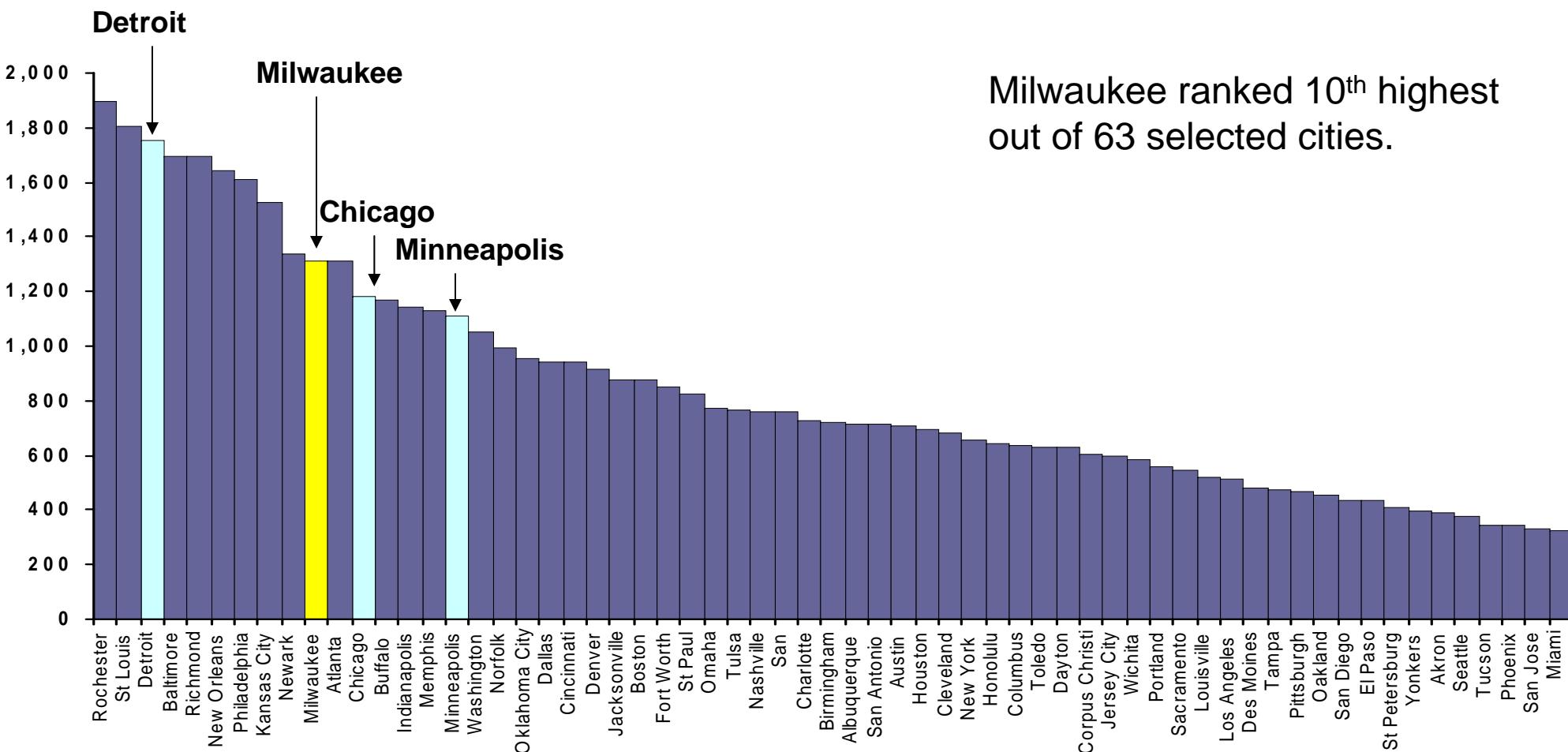


| Disease | Cases | Rate* |
|-----------|--------|-------|
| Chlamydia | 9,888 | 1,057 |
| Gonorrhea | 4,027 | 430 |
| Syphilis | 67 | 7 |
| HSV | 997 | 106 |
| All STDs | 14,979 | 1,602 |

* Cases per 100,000 population.



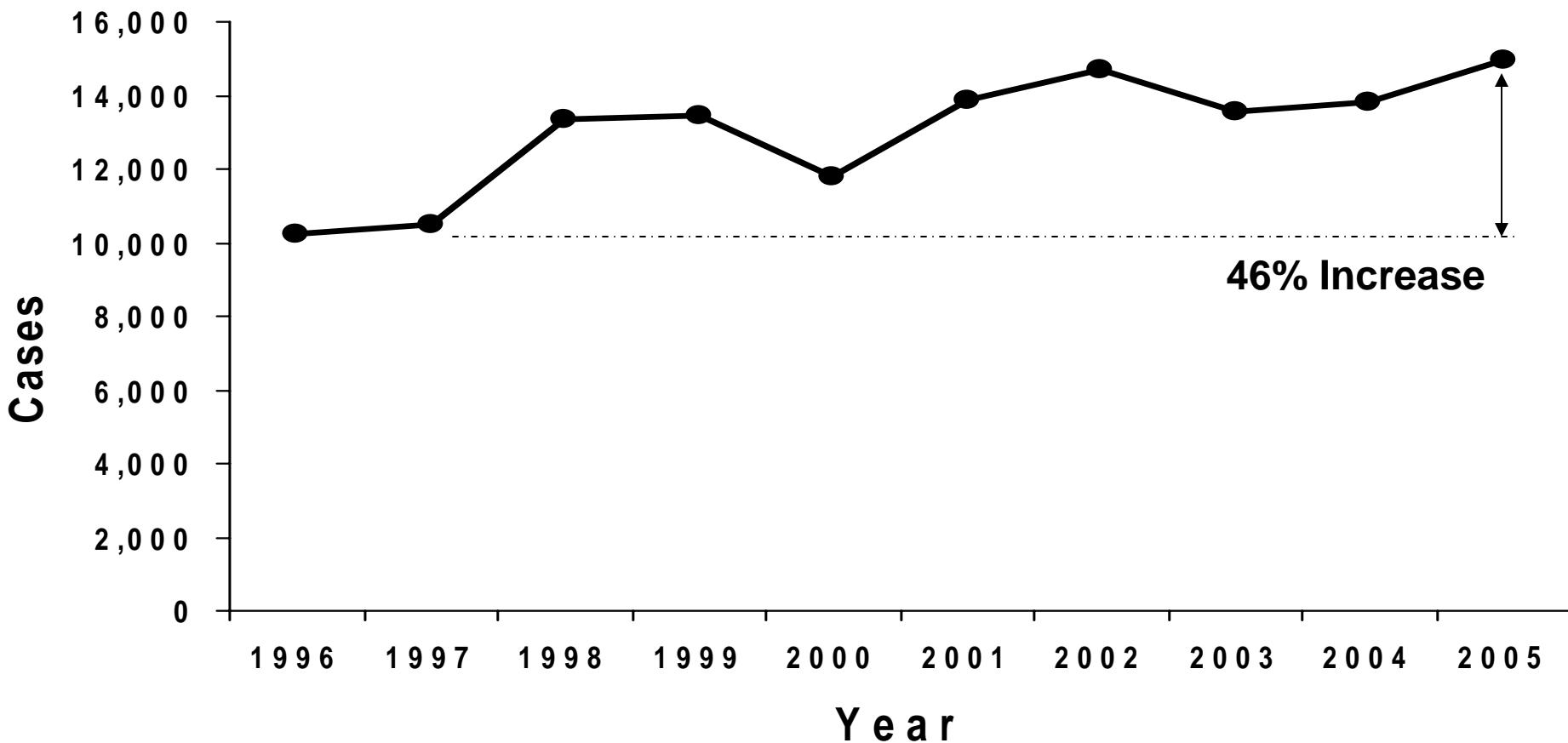
Combined rate* for chlamydia, gonorrhea and syphilis for select cities, 2003, CDC data



* Cases per 100,000 population. Genital HSV infection is not reportable in all states.



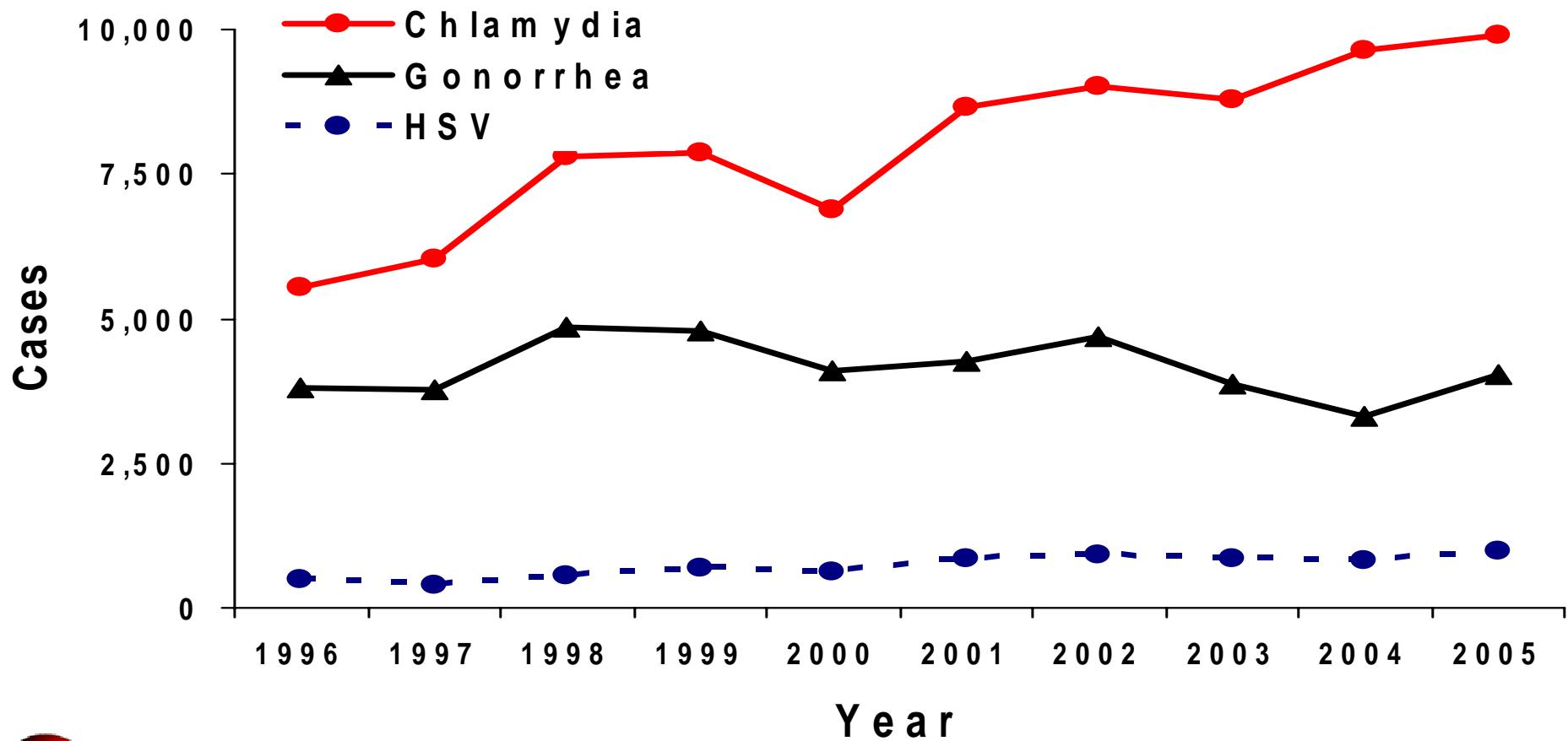
Reported cases of STD* by year of diagnosis, Milwaukee County, 1993-2004



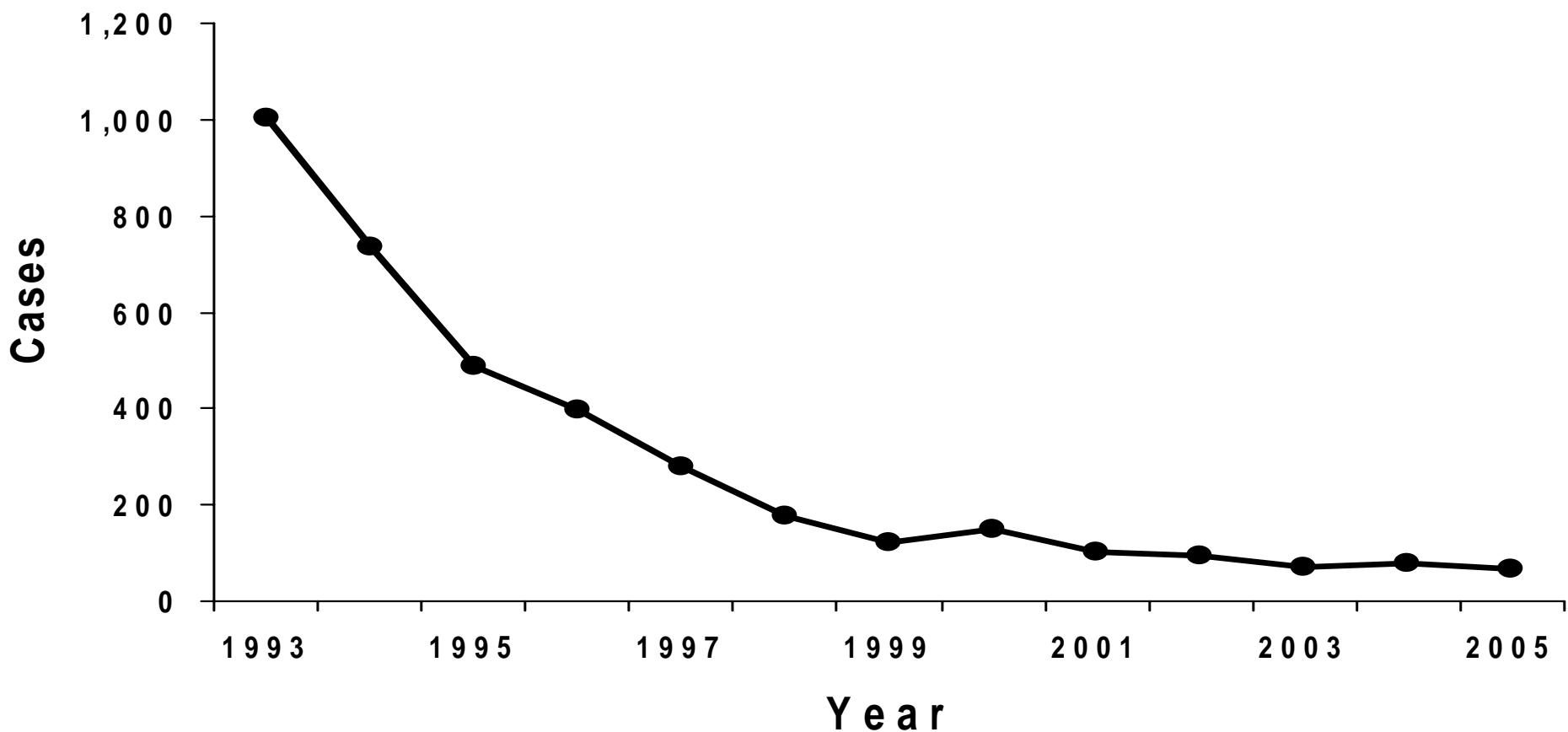
* *Chlamydia, gonorrhea, syphilis and genital HSV infection.*

Wisconsin STD Control Section

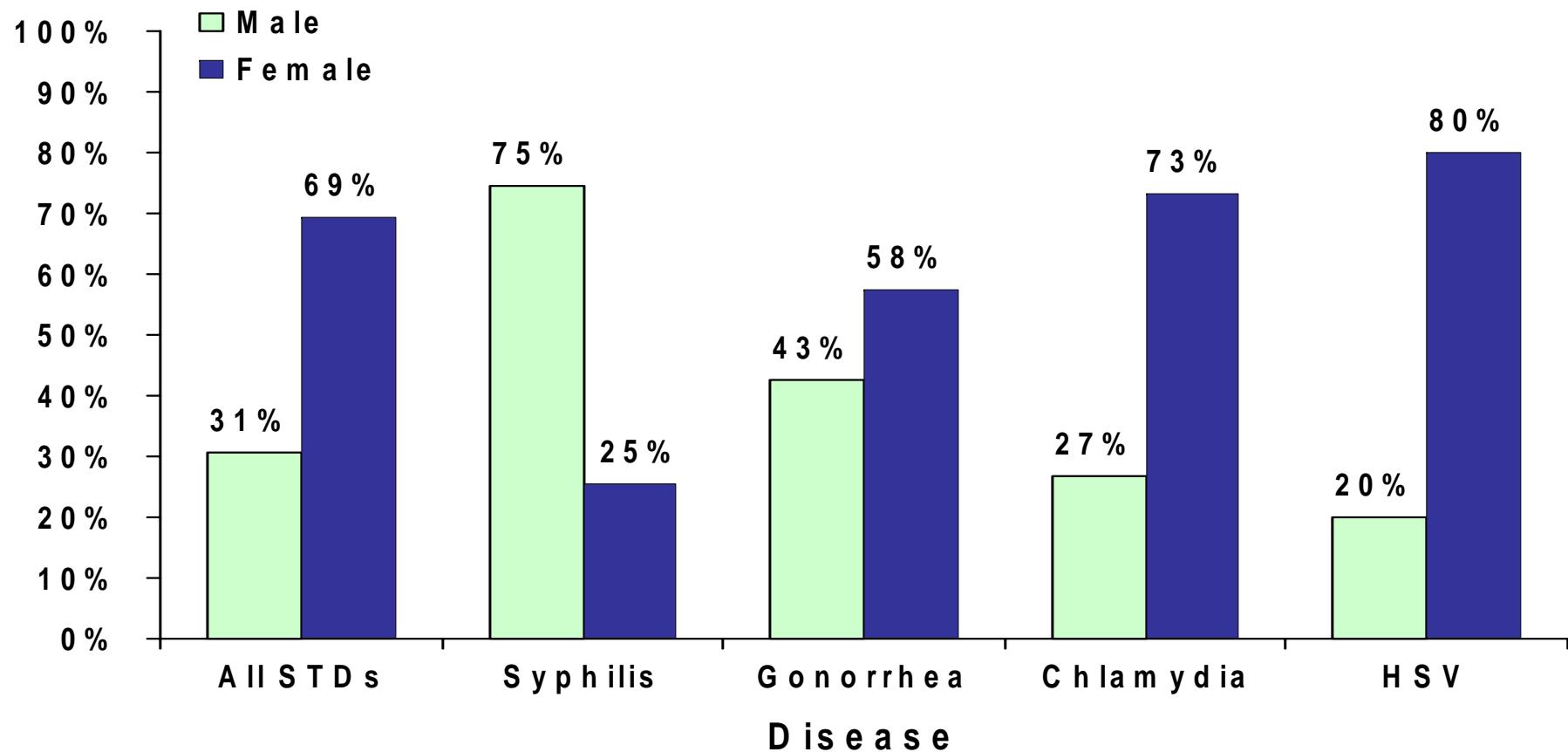
Reported cases of STD by year of diagnosis and disease, Milwaukee, 1996-2005



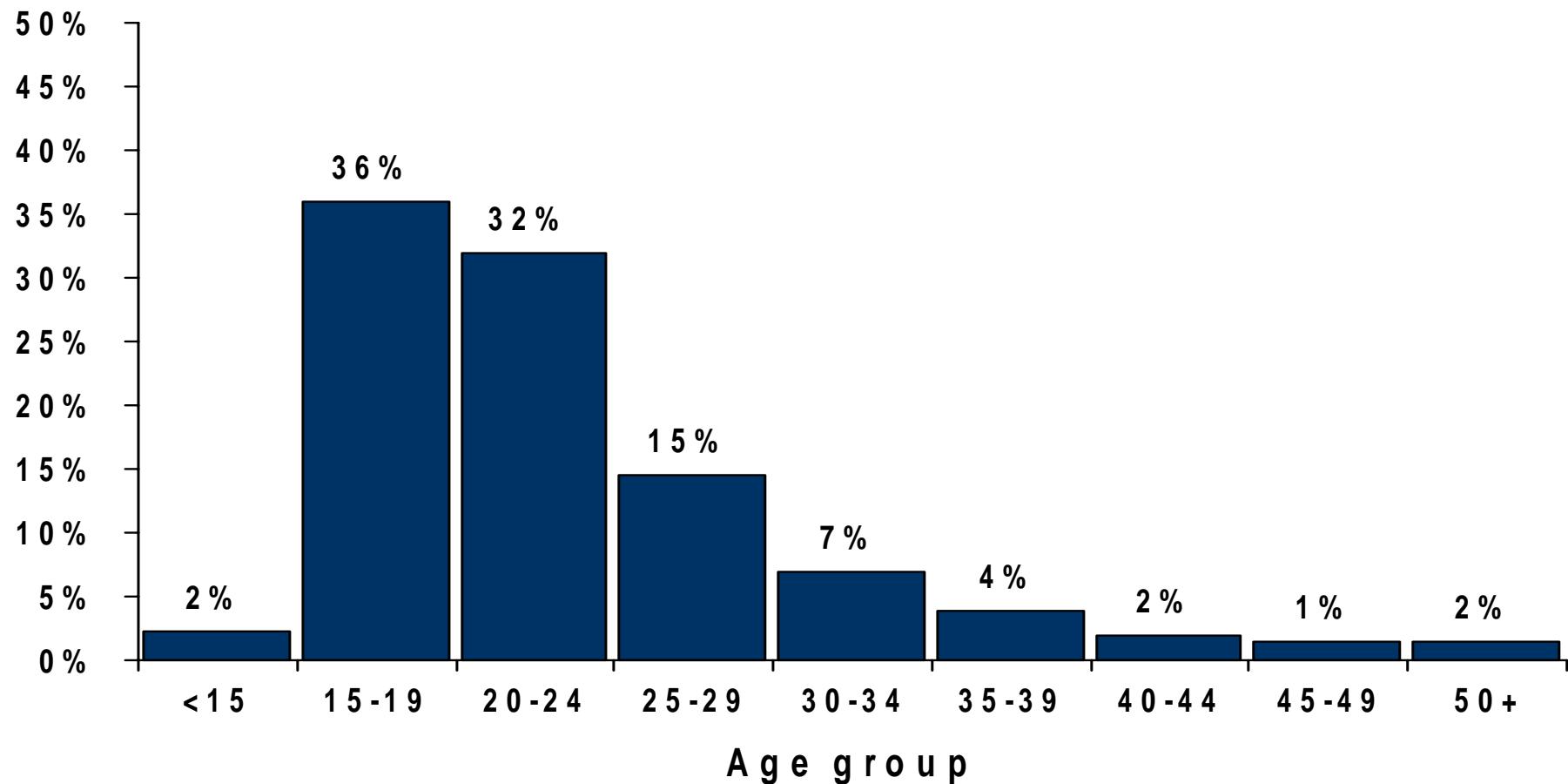
Reported cases of syphilis by year of diagnosis, Milwaukee County, 1993-2005



Male-female distribution of reported STD cases, Milwaukee County, 2005



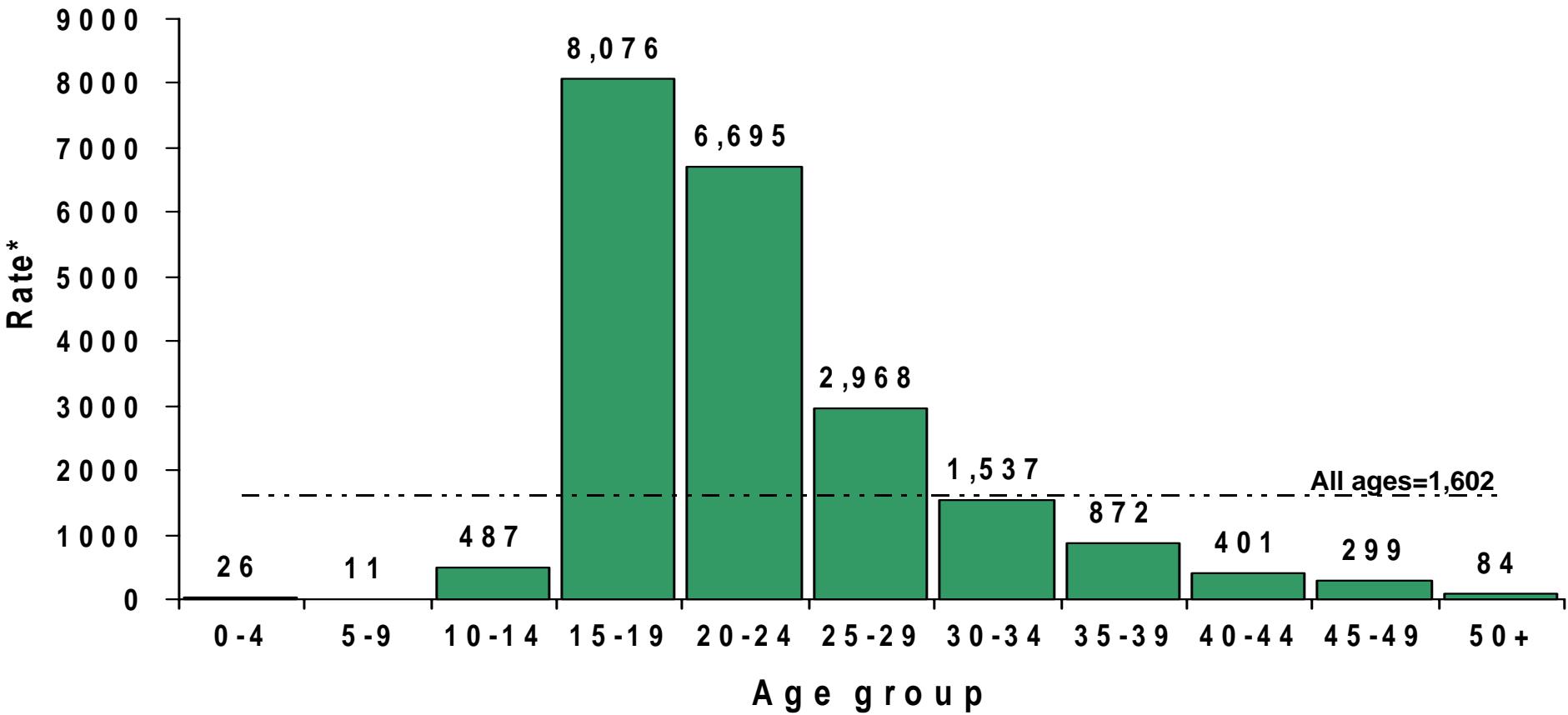
Attributable percentage by age group, reportable STDs* Milwaukee County, 2005



* Chlamydia, gonorrhea, syphilis and genital HSV infection.

Wisconsin STD Control Section

Age-specific STD rates*, reportable STDs** Milwaukee County, 2005

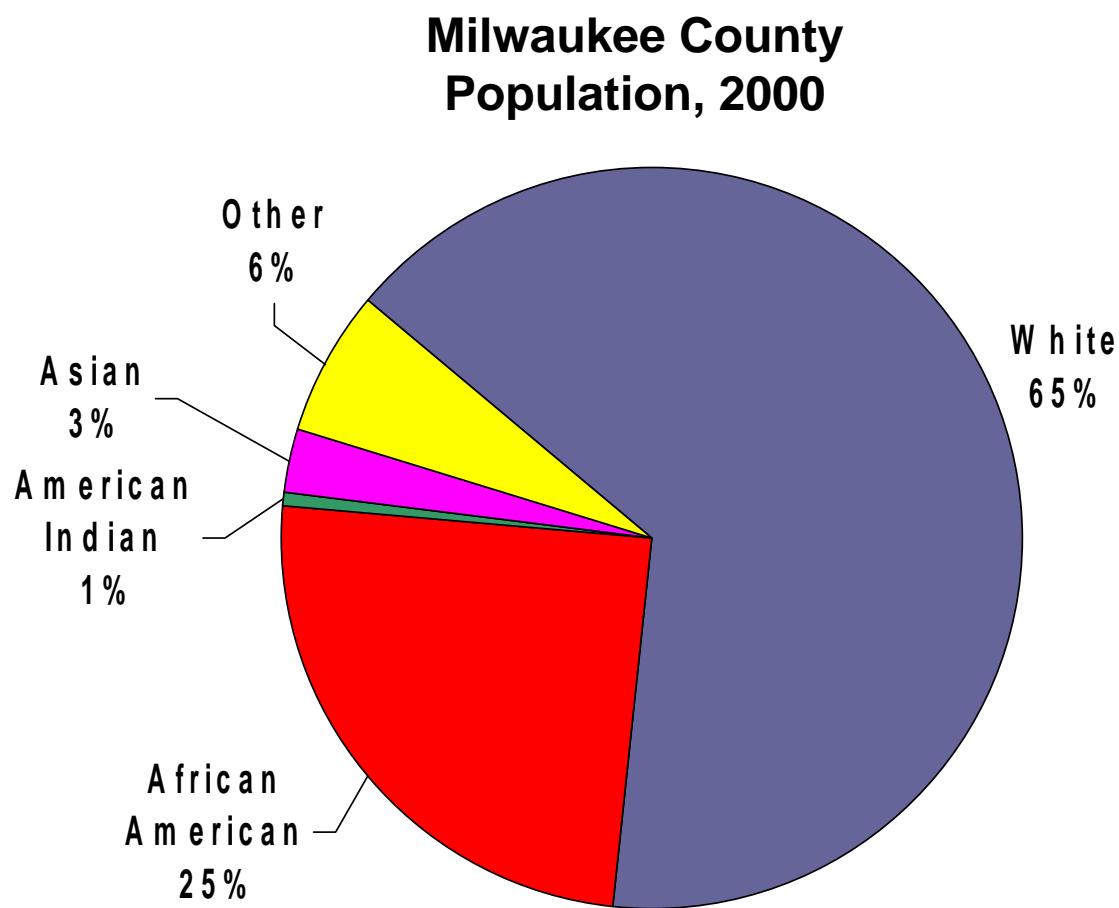


* Cases per 100,000 population.

** Chlamydia, gonorrhea, syphilis and genital HSV infection.



Comparison of the racial distribution of reported STD morbidity with the Milwaukee County population



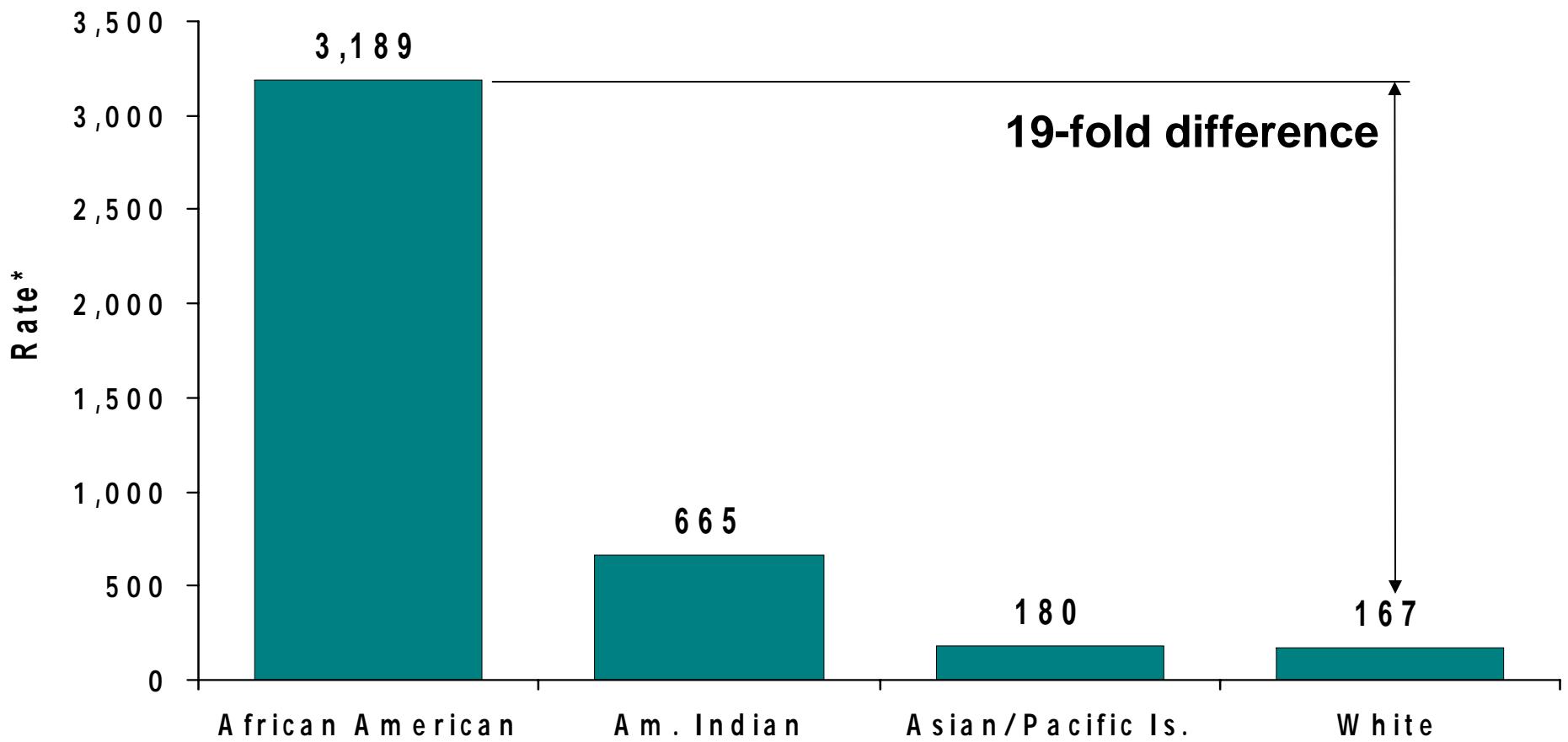
All reported STD cases*,
Milwaukee County, 2005

| Race | Cases | Percent |
|----------------|---------------|-------------|
| White | 1,083 | 7% |
| African Am. | 7,965 | 53% |
| Am. Indian | 60 | <1% |
| Asian/Pac. Is. | 54 | <1% |
| Other | 284 | 2% |
| Unknown | 5,517 | 37% |
| Total | 14,979 | 100% |

* Chlamydia, gonorrhea, syphilis and genital HSV infection.



Reported STD cases rates*, by race, reportable STDs, Milwaukee County, 2005**



* Cases reported with race specified per 100,000 population.

**Chlamydia, gonorrhea, syphilis and genital HSV infection.

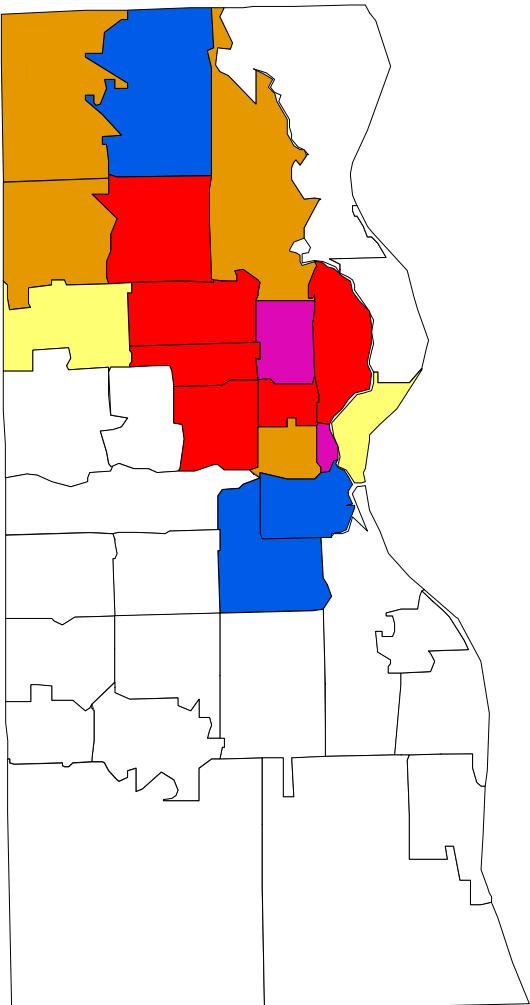
Wisconsin STD Control Section



Reported STD rates* by zip code, reportable STDs**, Milwaukee County, 2005

Rate*

| | |
|--|-----------|
| | <500 |
| | 500-999 |
| | 1000-1999 |
| | 2000-2999 |
| | 3000-4999 |
| | 5000+ |



Zip codes with rates* >3,000

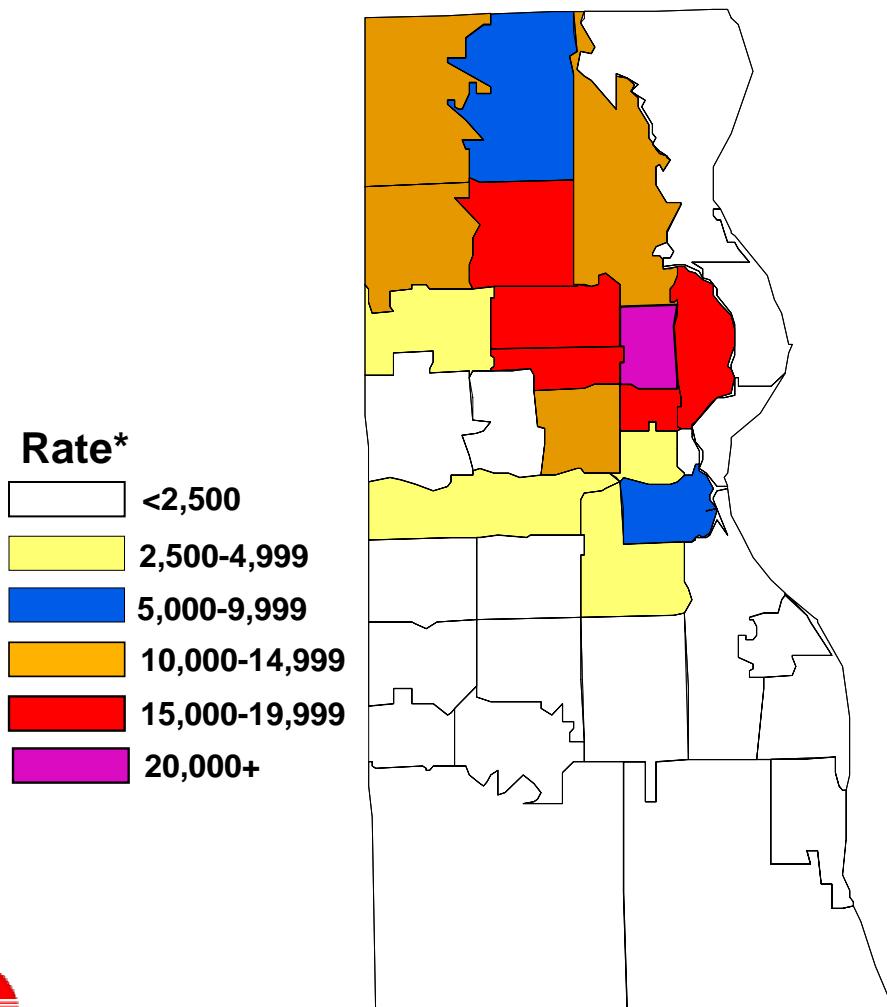
| Zip code | Cases** | Percent | Rate* |
|---------------------|---------------|-------------|--------------|
| 53206 | 1,722 | 11% | 5,239 |
| 53203 | 17 | <1% | 5,075 |
| 53205 | 488 | 3% | 4,487 |
| 53210 | 1,313 | 9% | 4,304 |
| 53212 | 1,272 | 8% | 4,130 |
| 53216 | 1,127 | 8% | 3,327 |
| 53208 | 1,168 | 8% | 3,323 |
| <u>53218</u> | <u>1,259</u> | <u>8%</u> | <u>3,108</u> |
| Subtotal | 8,366 | 56% | 3,893 |
| Other zip | 6,613 | 44% | 918 |
| County total | 14,979 | 100% | 1,602 |

* Cases per 100,000 population.

** Chlamydia, gonorrhea, syphilis and genital HSV infection.



Reported STD cases* by zip code, persons 15-19 years of age, Milwaukee County, 2005



Zip codes with rates* >10,000

| Zip code | Cases* | Percent | Rate** |
|---------------------|-------------------|------------------|----------------------|
| 53206 | 729 | 14% | 23,048 |
| 53212 | 461 | 9% | 19,176 |
| 53205 | 197 | 4% | 18,870 |
| 53210 | 508 | 9% | 18,601 |
| 53216 | 432 | 8% | 15,506 |
| 53218 | 510 | 9% | 15,165 |
| 53208 | 453 | 9% | 14,589 |
| 53209 | 542 | 10% | 14,473 |
| 53225 | 199 | 4% | 11,888 |
| <u>53224</u> | <u>158</u> | <u>3%</u> | <u>10,611</u> |
| Subtotal | 4,189 | 78% | 16,425 |
| Other zip | 1,183 | 22% | 2,885 |
| Milwaukee Co | 5,372 | 100% | 8,076 |

* Chlamydia, gonorrhea, syphilis and genital HSV infection.

** Cases per 100,000 population.

